

IN THE SPECIFICATION

Please **amend** the paragraph beginning at page 12, line 7 and ending at page 12, line 14 as follows:

Kozaki et al. (in "Antibodies against Botulism Neurotoxin", L.L. Simpson, ed., 1989, Academic Press, New York) suggested that a protective epitope might be present in the 50 kDa carboxyl terminus (HC) region of the protein. Thompson et al. (1990, *Eur. J. Biochem.* **189**:73-81 and Accession No. X52066, both of which are incorporated herein in their entirety by reference) deduced the amino acid sequence for the serotype A botulinum toxin. DasGupta et al. (1990, *Biochemie*, **72**:661-664) identified the "nick" site for post-translational cleavage of the expressed toxin polypeptide, from which the sequence of the heavy chain can be deduced as SEQ ID NO:41 (amino acids 449 to 1296 of Accession No. X52066). See also Krieglstein, et al., 1994, *J. Protein Chem.*, **13**:49-57.

Please **amend** the paragraph beginning at page 13, line 1 and ending at page 13, line 6 as follows:

Whelan et al. (*Appl. Environ. Microbiol.* **58**:2345-2354, 1992 and Accession No. M81186, both of which are

incorporated herein in their entirety by reference) have deduced the amino acid sequence for the serotype B botulinum toxin. Schmidt, et al. (1985, *Arch. Biochem. Biophys.*, 238:544-548) provided N-terminal sequence information for the heavy chain resulting from post-translational cleavage of the expressed toxin polypeptide, and the sequence of the heavy chain can be deduced from this information as SEQ ID NO:42 (amino acids 442 to 1291 of Accession No. M81186).

Please **amend** the paragraph beginning at page 38, line 6 and ending at page 38, line 7 as follows:

The C fragment for botulism toxin serotype B of Whelan was studied and the portion of the protein having the sequence of SEQ ID NO:40 (amino acids 853 to 1291 of Accession No. M81186) was defined as the C fragment.